## Amendments to the Claims

- 1.(Original) A nucleic acid having a nucleotide sequence encoding a protein having the activity for vacuolar compartmentalization of flavonoids in plant cells, said nucleotide sequence being selected from the group consisting of:
- (i) the nucleotide sequence represented by SEQ ID NO:1 or a nucleotide sequence which is degenerate with respect to SEQ ID NO:1;
- (ii) a nucleotide sequence which is identical to SEQ ID NO:1 except that it has deletions, substitutions or additions of one or more bases;
- (iii) a nucleotide sequence hybridizable under stringent conditions with a nucleotide sequence complementary to the nucleotide sequence represented by SEQ ID NO:1; and
- (iv) a nucleotide sequence having at least 60% nucleotide sequence identity to the nucleotide sequence represented by SEQ ID NO:1.
- 2.(Original) A nucleic acid encoding a protein having the activity for vacuolar compartmentalization of flavonoids in plant cells, said protein comprising an amino acid sequence selected from the group consisting of:
  - (a) the amino acid sequence represented by SEQ ID NO:2;
- (b) an amino acid sequence which is identical to SEQ ID NO:2 except that it has deletions, substitutions or additions of one or more amino acids; and
- (c) an amino acid sequence that has at least 60% amino acid sequence identity to the amino acid sequence represented by SEQ ID NO:2.
- 3.(Currently Amended) A protein that is encoded by the nucleic acid according to claim 1 or 2 and which has the activity for vacuolar compartmentalization of flavonoids in plant cells.
- 4.(Currently Amended) A recombinant vector containing the nucleic acid according to claim 1-or 2.
- 5.(Original) A transformed plant cell containing the recombinant vector according to claim 4.
- 6.(Currently Amended) A transgenic plant containing the nucleic acid according to claim 1

or 2.

- 7.(Currently Amended) A process for producing flavonoids which comprises the steps of cultivating the transformed plant cell of claim 5 in a culture medium or growing the transgenic plant of claim 6 and harvesting a vacuolarly accumulated flavonoid from the cultured transformed plant cell or the grown transgenic plant.
- 8. (New) A protein that is encoded by the nucleic acid according to claim 2 and which has the activity for vacuolar compartmentalization of flavonoids in plant cells.
- 9. (New) A recombinant vector containing the nucleic acid according to claim 2.
- 10. (New) A transformed plant cell containing the recombinant vector according to claim 9.
- 11. (New) A transgenic plant containing the nucleic acid according to claim 2.
- 12. (New) A process for producing flavonoids which comprises the steps of cultivating the transformed plant cell of claim 10 in a culture medium and harvesting a vacuolarly accumulated flavonoid from the cultured transformed plant cell or the grown transgenic plant.
- 13. (New) A process for producing flavonoids which comprises the steps of growing the transgenic plant of claim 6 and harvesting a vacuolarly accumulated flavonoid from the cultured transformed plant cell or the grown transgenic plant.
- 14. (New) A process for producing flavonoids which comprises the steps of growing the transgenic plant of claim 11 and harvesting a vacuolarly accumulated flavonoid from the cultured transformed plant cell or the grown transgenic plant.